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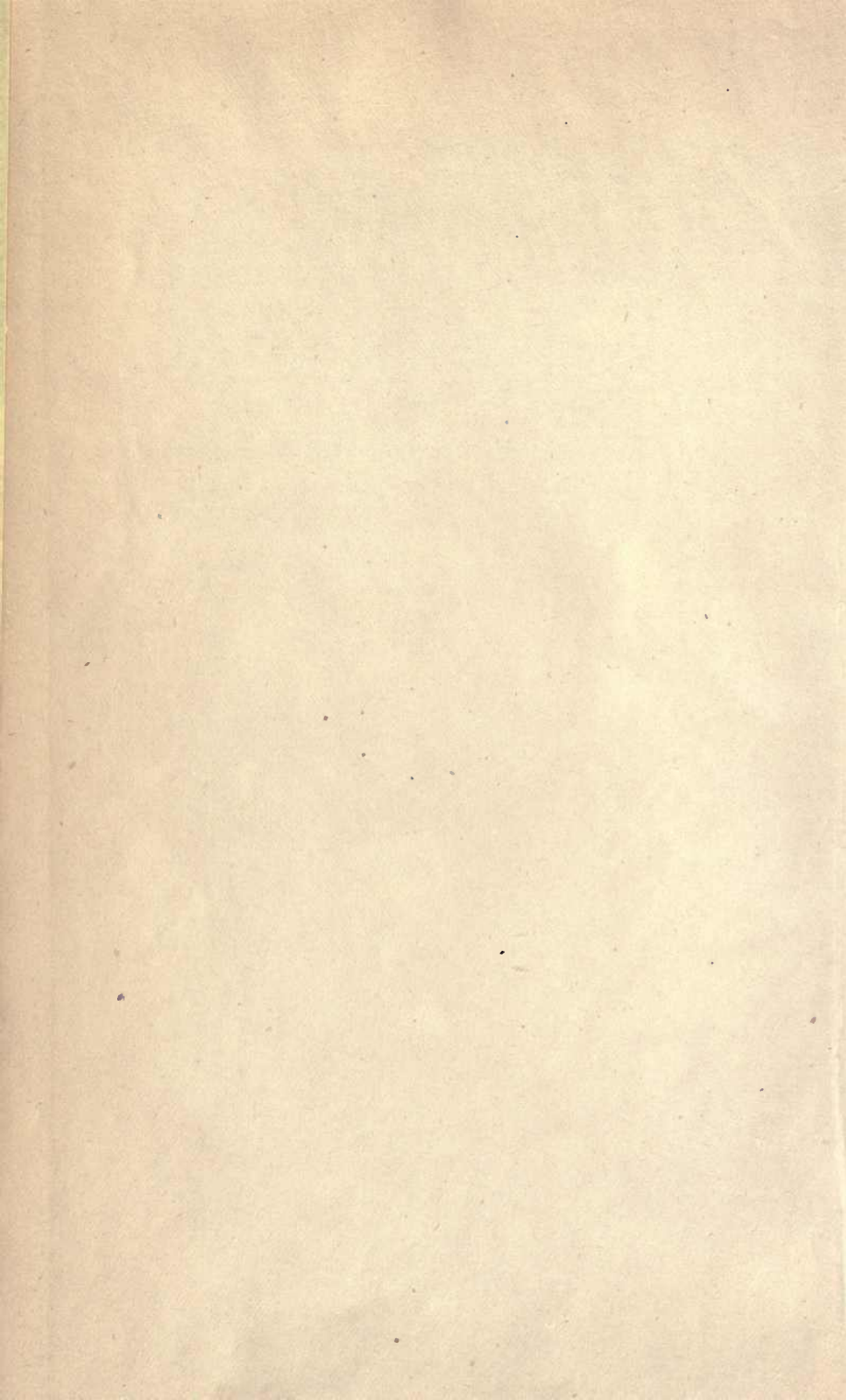
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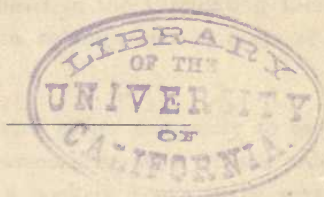








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THE CHEMICAL SOCIETY

ARRANGED ACCORDING TO SUBJECTS

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INDEXES

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LONDON

HARRISON AND SONS, ST. MARTIN'S LANE

PRINTED IN GREAT BRITAIN

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5. Books shall be issued either personally to the Fellow desiring the loan, or to a person bringing a written order from him. When a Fellow desires a book or books to be sent to him, he shall send to the Librarian a written order for the same, and shall pay the whole cost of carriage. All books borrowed by Fellows shall be at the risk of the borrower from the moment they are issued or despatched to him.

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7. Books which have been bespoken shall circulate in rotation in the order of application.

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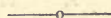
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13. For the purpose of periodical revision, the issue of books from the Library shall be suspended during the month of August in each year; but the Library shall during this time remain open for consultation. In the event of any book not being returned on such occasion, the Council may replace it at the cost of the borrower.



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## ARRANGEMENT OF CATALOGUE.

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In the Subject Catalogue the books are arranged under groups—as PHYSICS, GENERAL CHEMISTRY, INORGANIC CHEMISTRY, &c. In each group there are, as a rule, sub-groups for *General Periodicals*, *General Treatises*, and *Special Treatises and Periodicals*. The General Periodicals and General Treatises are placed in chronological order. The subjects of the Special Treatises are placed in alphabetical order, but the treatises under each subject in chronological order. Pamphlets are denoted by the letter P, and the Roman numeral following that letter indicates the volume in which the pamphlet will be found. Books whose size is not specified are octavo.

The Publications of Societies are given at the end of the Subject Catalogue under the heading of their respective Societies; the names of Societies are placed in alphabetical order, and grouped under their respective countries. Periodicals not published by Societies are arranged in alphabetical order, and grouped under the countries where published.

The body of the Catalogue contains the works in the library at the close of 1884, with the addition of a few recent editions, and of volumes purchased to complete sets. The additions to the Library up to the end of January, 1886, are given in an Appendix.

The two Alphabetical Indexes, of authors' names and of subjects, which conclude the Catalogue, embrace the Appendix as well as the body of the Catalogue.

The works not available for circulation among the Fellows are described in the third of the Library Rules, p. iii. The periodicals available for circulation are enumerated on p. 292.



# PHYSICS.

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## GENERAL PERIODICALS.

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Philosophical Magazine. 163 vols. London, 1798-1884.  
(*Continued.*)

Annalen der Physik, herausgegeben von L. W. Gilbert.  
Bände 1-76. Halle, 1799-1824.

A Journal of Natural Philosophy, Chemistry, and the Arts,  
by W. Nicholson. Vol. 7. London, 1804.

Mémoires de Physique et de Chimie de la Société d'Arcueil.  
2 tomes. Paris, 1807-1809.

Journal für Chemie und Physik, von J. S. C. Schweigger.  
Bände 1-51. Nürnberg und Halle, 1811-1827.

Annales de Chimie et de Physique. 207 tomes. Paris,  
1816-1884. (*Continued.*)

Jahresbericht über die Fortschritte der physischen Wissen-  
schaften, von J. J. Berzelius. Tübingen, 1821-1847.

Jahresbericht über die Fortschritte der Chemie und ver-  
wandter Theile anderer Wissenschaften, 1847-1884.  
(*Continued.*)

Annalen der Physik und Chemie, herausgegeben von J. C.  
Poggendorff. Bände 1-160. Leipzig, 1824-1877.

——— Neue Folge, herausgegeben von G. Wiedemann.  
Bände 1-23. 1877-1884. (*Continued.*)

Beiblätter zu den Annalen der Physik und Chemie, heraus-  
gegeben, unter Mitwirkung befreundeter Physiker, von  
G. und E. Wiedemann. Bände 1-8. 1877-1884.  
(*Continued.*)



The Annals of Electricity, Magnetism, and Chemistry, and Guardian of Experimental Science, edited by W. Sturgeon. Vols. 1-10. London, 1836-1843.

The Annals of Philosophical Discovery, and Monthly Reporter of the Progress of Practical Science, edited by W. Sturgeon. 5 parts. London, 1843.

Repertorium der Physik, von H. W. Dove und L. Moser. Bände 1-8. Berlin, 1837-1849.

Die Fortschritte der Physik, dargestellt von der physikalischen Gesellschaft in Berlin. Bände 1-36. Berlin, 1845-1880. (*Continued.*)

American Journal of Science and Arts, edited by B. Silliman and B. Silliman, jun. Newhaven, 1846-1884. (*Continued.*)

Il nuovo Cimento: Giornale di Fisica, &c. 1865-67. Serie terza, 1878-84. Pisa. (*Continued.*)

Proceedings of the Royal Physical Society of Edinburgh, 1864-5.

Proceedings of the Physical Society of London. Vols. 1-5. 1874-1884. (*Continued.*)

Zeitschrift für Instrumentenkunde. Bände 1-4. 4to. Berlin, 1881-1884. (*Continued.*)

## GENERAL TREATISES.

\*Tracts written by the Honourable Robert Boyle, containing:—

New Experiments Touching the Relation Between Flame and Air. And About Explosions.

An Hydrostatical Discourse, occasioned by some Objections of Dr. Henry More against some Explications of New Experiments made by the author of these Tracts. To which is annex't an Hydrostatical Letter, dilucidating an Experiment about a Way of Weighing Water in Water.

- \*Tracts written by the Honourable Robert Boyle—*continued*.

New Experiments: Of the Positive or Relative Levity of Bodies under Water—Of the Air's Spring on Bodies under Water—About the Differing Pressure of Heavy Solids and Fluids. London, 1672.

See also AIR, p. 9.

- \*The Works of the Honourable Robert Boyle epitomized by Richard Boulton. 3 vols. London, 1699–1700.

- \*Course of Mechanical, Optical, Hydrostatical, and Pneumatical Experiments, to be performed by Francis Hauksbee. The Explanatory Lectures read by Wm. Whiston, M.A. 4to.

- \*Physico-Mechanical Experiments on various subjects, by Francis Hauksbee. 2nd edition. London, 1719.

- \*Elements of Natural Philosophy Delineated, by J. H. Winkler, translated from the 2nd edition of the German. 2 vols. London, 1757.

- \*Philosophical Essays, by R. Lovett. Three Parts. Worcester, 1766.

- \*Experiments and Observations relating to Various Branches of Natural Philosophy; with a continuation of the Observations on Air, by Joseph Priestley, LL.D. 2 vols. 1779 and 1781. (Two copies.)

- \*An Introduction to Natural Philosophy, by William Nicholson. 2 vols. London, 1787.

- \*Experiments and Observations on different kinds of Air, and other Branches of Natural Philosophy connected with the subject, by Joseph Priestley. 3 vols. London, 1790. (Two copies.)

- \*Geschichte der Physik seit der Wiederherstellung der Künste und Wissenschaften bis auf die neuesten Zeiten, von Johann Carl Fischer. 8 Bände. Göttingen, 1801.

- \*A Syllabus of a Course of Lectures on Natural and Experimental Philosophy, by Thomas Young, M.D. London, 1802.

\*Recherches physico-chimiques, par Gay-Lussac et Thénard. 2 tomes. Paris, 1811.

Elements de Physique expérimentale et de Météorologie, par C. S. M. Pouillet. 2 tomes. Paris, 1837.

Lehrbuch der Physik und Meteorologie (Pouillet's), von Johann Müller. 2 Bände. Braunschweig, 1852. Neue Ausgabe. 2 Bände. 1868.

Traité élémentaire de Physique, par E. Péclet. 2 tomes et planches. Paris, 1838.

Physikalisch-chemische Beiträge, von H. Kopp. Frankfurt, 1841.

Traité de Physique, considérée dans ses rapports avec la Chimie et les Sciences naturelles, par A. C. Becquerel. 2 tomes. Paris, 1842-44.

An Introduction to the study of Chemical Philosophy, by J. F. Daniell. London, 1843.

\*Naturwissenschaftliche Abhandlungen, gesammelt und durch Subscription herausgegeben, von Wilhelm Haidinger. 4to. Wien.

Erster Band, 1846-47		Dritter Band, 1848-49
Zweiter Band, 1847-48		Vierter Band, 1850

\*Mélanges physiques et chimiques, tirés du Bulletin physico-mathématique de l'Académie de St. Pétersbourg. St. Pétersbourg.

Tome I.—1849-1854		Tome III.—1857-1859.
II.—1854-1856		IV.—1860-1861.

Tome V., Livraison I.—1861.

Researches on Magnetism, Electricity, Heat, Light, Crystallization, and Chemical Attraction, in their relations to the Vital Force, by Baron von Reichenbach, translated by W. Gregory. Parts I and II. London, 1850.

Physikalisch-chemische Notizen, von J. J. Pohl. 1851. P. XXXVI.

Familiar Letters on the Physics of the Earth, by H. Buff, edited by A. W. Hofmann. London, 1851.

Cours de Physique de l'École polytechnique, par J. Jamin. 3 tomes. (Tome premier, 2e édition.) Paris, 1859-1866.



Cours de Physique de l'École polytechnique. Troisième édition  
par Jamin et Bouty. 4 tomes. Paris, 1878-83.

Leçons de Chimie et de Physique, professées à la Société  
chimique de Paris en 1860 (2 copies), 1861, 1862,  
1863, 1866-7, et 1868-9 (2 copies).

Traité élémentaire de Physique théorique et expérimentale,  
par P. A. Daguin. 4 tomes. Toulouse et Paris,  
1861-62.

The Correlation of Physical Forces, by W. R. Grove.  
4th edition. London, 1862. 5th edition. 1867.

Lehrbuch der Experimental-Physik, von Adolph Wüllner.  
2 Bände. Leipzig, 1863.

——— Neue Ausgabe. 4 Bände. Leipzig.  
Erster Band. Mechanik und Akustik. 3te Auflage.  
1874.

Zweiter Band. Die Lehre vom Licht. 2te Auflage.  
1871.

Dritter Band. Die Lehre von der Wärme. 2te  
Auflage. 1871.

Vierter Band. Die Lehre vom Magnetismus und von  
der Elektrizität. 2te Auflage. 1872.

The Elements of Natural Philosophy, based on the Treatise by  
the late Dr. Golding Bird. 6th edition, by Charles  
Brooke. London, 1867.

Einleitung in die theoretische Physik, von Victor v. Lang.  
Braunschweig, 1867.

Treatise on Natural Philosophy, by Sir William Thomson  
and P. G. Tait. Vol. I. Oxford, 1867.

Les phénomènes de la Physique, par A. Guillemin. Paris,  
1868.

Oeuvres de E. Verdet. 8 tomes. Paris, 1868-1872:

Tome I.—Notes et mémoires, précédés d'une notice, par  
A. de la Rive.

Sur les phénomènes d'induction.

Sur les interférences de la lumière polarisée.

Sur l'intensité des images lumineuses aux  
foyers des lentilles et des miroirs.

Oeuvres de E. Verdet. 8 tomes. Paris, 1868-72—*continued*.

Tome I.—Sur l'explication du phénomène des couronnes.

Sur les propriétés optiques développées par le magnétisme.

Sur les propriétés optiques des corps magnétiques.

Constitution de la lumière non polarisée.

Introduction aux œuvres d'Augustin Fresnel.

Tomes II. et III.—Cours de Physique professée à l'École polytechnique.

Tome IV.—Conférences de Physique, faites à l'École normale.

Tomes V. et VI.—Leçons d'optique physique.

Tomes VII. et VIII.—Théorie mécanique de la chaleur.

Physikalisch-chemische Untersuchungen, von P. Kremers.  
Band I. 8 Hefte, 1869-1878. Wiesbaden.

Allgemeine Theorie der Bewegung und Kraft, von Fr. Mohr. Braunschweig, 1869.

The complete Works of Count Rumford, published by the American Academy of Arts and Sciences. 4 vols. Boston, 1870-1875.

Ganot's Elementary Treatise on Physics, translated and edited by E. Atkinson. 4th edition. London, 1870.  
6th edition. 1873.

Traité élémentaire de Physique, par A. Ganot. Dix-neuvième édition, entièrement refondue, par G. Maneuvrier. Paris, 1884.

Natural Philosophy for general readers and young persons, by E. Atkinson (translation from Ganot). London, 1872.

Die Physikauf Grundlage der Erfahrung, von Alb. Mousson.  
3 Bände. Zweite Auflage. 1871-74. 3te Auflage.  
1879-83. Zürich.

Erster Band. Allgemeine und Molecular Physik.

Zweiter Band. Die Lehren von der Wärme und vom  
Licht.

Dritter Band. Die Lehren vom Magnetismus und der  
Electricität.

Histoire de la Physique et de la Chimie, par F. Hoefer.  
Paris, 1872.

Lessons in Elementary Physics, by Balfour Stewart.  
London, 1873.

Kurzes Lehrbuch der Physik, von Balfour Stewart; nach  
der dritten Auflage des Originals bearbeitet von Robert  
Schenk. Braunschweig, 1872.

Popular Lectures on Scientific Subjects, by H. Helmholtz;  
translated and edited by E. Atkinson, with an Intro-  
duction by Professor Tyndall. London, 1873.

The Constants of Nature, by F. W. Clarke. (Smithsonian  
Miscellaneous Collection.) Washington, 1873-76.

Part I. and Supplement.—Specific gravities, Boiling  
points, and Melting points.

Part II.—A table of Specific Heats for Solids and  
Liquids.

Part III.—Tables of Expansion by Heat for Solids  
and Liquids.

Die Schule des Physikers, von L. Kulp. Heidelberg, 1874.

An Elementary Exposition of the Doctrine of Energy, by  
D. D. Heath. London, 1874.

Des forces physico-chimiques, par E. Becquerel, avec un  
atlas. Paris, 1875.

Introduction to Experimental Physics, by A. F. Wein-  
hold, translated by B. Loewy, with a Preface by G. C.  
Foster. London, 1875.



Die Naturgesetze und ihr Zusammenhang mit den Prinzipien der abstracten Wissenschaften, von Hermann Scheffler.

Erster Theil. Die Theorie der Anschauung, oder die mathematischen Gesetze. Leipzig, 1876.

Zweiter Theil. Die Theorie der Erscheinung, oder die physischen Gesetze, 1877.

Supplement zum zweiten Theile. Wärme und Elastizität, 1879. (Two copies.)

Dritter Theil. Die Theorie der Erkenntniss, oder die logischen Gesetze, 1880. (Also P. XXIV.)

Vierter Theil. Die Theorie des Bewusstseins oder die philosophischen Gesetze, 1881.

Lectures on some Recent Advances in Physical Science, with a special Lecture on Force, by P. G. Tait. London, 1876.

Chemical and Physical Researches, by T. Graham. Edinburgh, 1876.

A Speculation Concerning Molecular Physics, by A. J. Stevens. Cambridge, 1877. P. XXIV.

On the Nature of the Physical Forces, by E. Vogel. Frankfort, 1877. P. XXXVI.

Cours de Physique, par E. Fernet. Paris, 1878.

Neue Grundgesetze zur rationellen Physik und Chemie, von E. Dühning. Leipzig, 1878.

Scientific Memoirs: being Experimental Contributions to a knowledge of Radiant Energy, by J. W. Draper, M.D. London, 1878.

Geschichte der Physik, von J. C. Poggendorff. Leipzig, 1879.

Compendium der Physik, von A. Wüllner. 2 Bände. Leipzig, 1879.

Lehrbuch der Physik für höhere Lehranstalten, von E. Budde. Berlin, 1879.

Elements of Natural Philosophy, by Sir W. Thomson and P. G. Tait. Part I. Second edition. Cambridge, 1879.

- Chemical and Physical Researches, by J. P. Cooke, jun. Cambridge (U.S.), 1881.
- Physikalische Demonstrationen, von Adolph von Weinholt. Zweite und dritte Lieferungen. Leipzig, 1881.
- Die Geschichte der Physik, von F. Rosenberger. Erster Theil: Geschichte der Physik im Alterthum und im Mittelalter. Braunschweig, 1882.
- Geschichte der Physik, von A. Heller. 2 Bände. Erster Band: von Aristoteles bis Gehlen. Zweiter Band: von Descartes bis Robert Mayer. Stuttgart, 1882-84.
- Physikalisch-chemische Tabellen, von H. Landolt und R. Börnstein. 4to. Berlin, 1883.
- Energy in Nature; six Lectures by W. Lant Carpenter. London, 1883.
- Cours de manipulations de Physique préparatoire a la licence, par A. Witz. Paris, 1883.
- Traité élémentaire de Physique, par A. Ganot. Dix-neuvième édition entièrement refondue, par G. Maneuvrier. Paris, 1884.
- A Text-book of the Principles of Physics, by A. Daniell. London, 1884. Second edition, 1885.

## TREATISES AND PERIODICALS ON SPECIAL SUBJECTS.

**Air.**—\*New Experiments Touching the Relation between Flame and Air, by the Hon. Robert Boyle. London, 1672.

——— \*Tractatus in quibus continentur :

- I. Suspiciones de latentibus quibusdam qualitatibus aëris, una cum appendice de magnetibus cœlestibus, nonnullisque argumentis aliis.
- II. Animadversiones in D. Hobbii Problemata de Vacuo.
- III. Dissertatio de Causa Attractionis per Suctionem: authore Roberto Boyle. 16mo. London, 1676.

**Air.**—\*New Experiments Physico-mechanical, touching the Spring of the Air, and its effects, made, for the most part, in a New Pneumatical Engine, by the Hon. Robert Boyle. 4to. Third edition. London and Oxford, 1682. (Two copies.)

——— \*A Treatise on the Nature and Properties of Air, by Tiberius Cavallo. 4to. London, 1781.

See also pp. 72, 230.

**Air Engine.**—On the Air Engine, by J. P. Joule. Philosophical Transactions, 1852. Part I. P. XVIII.

**Alloys.**—See METALS.

**Apparatus.**—Elements of Physical Manipulation, by E. C. Pickering. Part I. London, 1874.

——— Der physikalische Apparat, Anschaffung, Behandlung, und Gebrauch desselben, von Jacob Heussi. Zweite Hälfte. Leipzig, 1875.

——— Handbook to the Special Loan Collection of Scientific Apparatus (South Kensington Museum). 1876.

——— Chemical Handicraft, by J. Griffin. London, 1877.

——— Manipulations de Physique, par H. Buignet. Paris, 1877.

——— Physical Technics; or, Practical Instructions for making Experiments in Physics, by J. Frick. Translated by J. Easter. Philadelphia, 1878.

——— Zeitschrift für Instrumentenkunde. 4to. Berlin, 1881-84. (*Continued.*)

——— Neuere Apparate für naturwissenschaftliche Schule und Forschung, von M. Th. Edelmann. Stuttgart, 1882.

——— Cours de manipulation de Physique, par A. Witz. Paris, 1883.

**Aspirator.**—On a Constant Aspirator and Blower, by M. Carey Lea. 1862. P. VIII.

**Astronomy.**—Royal Astronomical Society:

Memoirs. 4to. Vols. 28-48. 1858-84. (*Continued.*)

Monthly Notices. Vols. 24-44. 1865-84. (*Continued.*)



**Astronomy.**—Report to General Sir Thomas Makdougall Brisbane, Bart., on the completion of the Publication, in the Transactions of the Royal Society of Edinburgh, of the Observations made in his Observatory at Makerstoun, by J. A. Broun. Edinburgh, 1850. P. XVII.

——— Report to the Smithsonian Institution on the History of the Discovery of the Planet Neptune, by B. A. Gould, jun. Washington, 1850. P. XXII.

——— Astronomy and General Physics considered with reference to Natural Theology, by W. Whewell, D.D. London, 1852.

——— Rapport à M. le Ministre de l'Intérieur, sur l'état des travaux de l'Observatoire royal pendant l'année 1856, par A. Quetelet. Bruxelles. P. I.

——— Instructions and Chart for Observations of Mars at the Opposition of 1860, for obtaining the Measure of the Sun's Distance, by G. B. Airy. London, 1858. P. I.

——— \*Libros del Saber de Astronomía del Rey Don Alfonso X. de Castilla: copilados, anotados y comentados por Don Manuel Rico y Sinobas. Tomos 1-5. Folio. Madrid, 1863-1867.

——— Celestial Chemistry, and the Physical Constitution of the Stars and Nebulæ, by T. W. Burr. 1865. P. VII.

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# GENERAL CHEMISTRY.

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# INORGANIC CHEMISTRY.

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# MINERALOGY.

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—— Bibliographische Notizen über die zürcherischen Naturforscher, Geographen, Aerzte und Mathematiker, nebst Aufzählung der im Kanton Zürich vorhandenen naturwissenschaftlichen Sammlungen. 4to. Zürich, 1846. P. XVI.

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*Periodicals published by Societies, but which do not express this fact in their general titles, are enumerated in this section, and reference is made to their proper heading.*

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Annals of Electricity, Magnetism, and Chemistry, and Guardian of Experimental Science, edited by W. Sturgeon. Vols. 1-10. London, 1836-1843.

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Journal (Quarterly) of Microscopical Science. New Series. Vols. 14-24. London, 1874-84. (*Continued.*)

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Pharmaceutische Rundschau. Bände 1, 2. 4to. 1883-4. New York. (*Continued.*)

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Moniteur scientifique. Journal des sciences pure et appliquées, dirigé par Dr. Quesneville. Troisième série. Tomes 2-14 (2, 4, 5, 6, 7, 9, *imperfect*). 1872-84. (*Continued.*)

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ADDITIONS TO JANUARY 31st, 1886.

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*The Subjects and Authors' Names are incorporated in the  
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*When the same work is entered under several headings reference is only given to one of such entries.*

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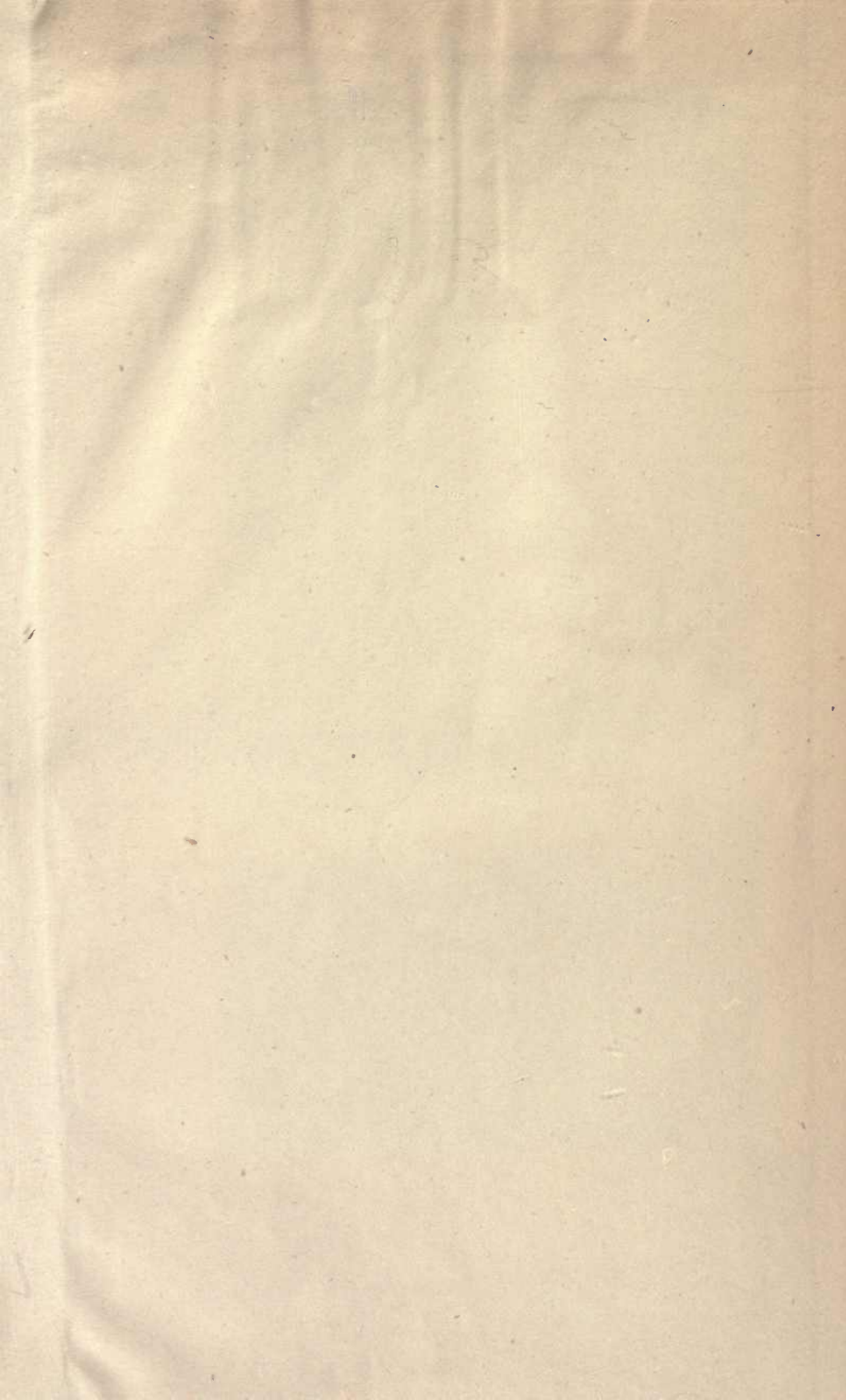
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